

# Index of Claims



Application/Control No.

09/982,548

Examiner

Traviss C. McIntosh

Applicant(s)/Patent under  
Reexamination

LIU ET AL.

Art Unit

1623

|   |          |
|---|----------|
| ✓ | Rejected |
| = | Allowed  |

|   |                                |
|---|--------------------------------|
| — | (Through numeral)<br>Cancelled |
| ÷ | Restricted                     |

|   |              |
|---|--------------|
| N | Non-Elected  |
| I | Interference |

|   |          |
|---|----------|
| A | Appeal   |
| O | Objected |

| Claim |          | Date   |  |  |  |  |  |  |  |  |  |
|-------|----------|--------|--|--|--|--|--|--|--|--|--|
| Final | Original | 8/3/06 |  |  |  |  |  |  |  |  |  |
| 1     |          |        |  |  |  |  |  |  |  |  |  |
| 2     |          |        |  |  |  |  |  |  |  |  |  |
| 3     |          |        |  |  |  |  |  |  |  |  |  |
| 4     |          |        |  |  |  |  |  |  |  |  |  |
| 5     |          |        |  |  |  |  |  |  |  |  |  |
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| 7     |          |        |  |  |  |  |  |  |  |  |  |
| 8     |          |        |  |  |  |  |  |  |  |  |  |
| 9     |          |        |  |  |  |  |  |  |  |  |  |
| 10    |          |        |  |  |  |  |  |  |  |  |  |
| 11    |          |        |  |  |  |  |  |  |  |  |  |
| 12    |          |        |  |  |  |  |  |  |  |  |  |
| 13    |          |        |  |  |  |  |  |  |  |  |  |
| 14    |          |        |  |  |  |  |  |  |  |  |  |
| 15    |          |        |  |  |  |  |  |  |  |  |  |
| 16    |          |        |  |  |  |  |  |  |  |  |  |
| 17    |          |        |  |  |  |  |  |  |  |  |  |
| 18    |          |        |  |  |  |  |  |  |  |  |  |
| 19    |          |        |  |  |  |  |  |  |  |  |  |
| 20    |          |        |  |  |  |  |  |  |  |  |  |
| 21    |          |        |  |  |  |  |  |  |  |  |  |
| 22    |          |        |  |  |  |  |  |  |  |  |  |
| 23    |          |        |  |  |  |  |  |  |  |  |  |
| 24    |          |        |  |  |  |  |  |  |  |  |  |
| 25    |          |        |  |  |  |  |  |  |  |  |  |
| 26    |          |        |  |  |  |  |  |  |  |  |  |
| 27    |          |        |  |  |  |  |  |  |  |  |  |
| 28    |          |        |  |  |  |  |  |  |  |  |  |
| 29    |          |        |  |  |  |  |  |  |  |  |  |
| 30    |          |        |  |  |  |  |  |  |  |  |  |
| 31    |          |        |  |  |  |  |  |  |  |  |  |
| 32    |          |        |  |  |  |  |  |  |  |  |  |
| 33    |          |        |  |  |  |  |  |  |  |  |  |
| 34    |          |        |  |  |  |  |  |  |  |  |  |
| 35    |          |        |  |  |  |  |  |  |  |  |  |
| 36    |          |        |  |  |  |  |  |  |  |  |  |
| 37    |          |        |  |  |  |  |  |  |  |  |  |
| 38    |          |        |  |  |  |  |  |  |  |  |  |
| 39    |          |        |  |  |  |  |  |  |  |  |  |
| 40    |          |        |  |  |  |  |  |  |  |  |  |
| 41    |          |        |  |  |  |  |  |  |  |  |  |
| 42    |          |        |  |  |  |  |  |  |  |  |  |
| 43    |          | ✓      |  |  |  |  |  |  |  |  |  |
| 44    |          |        |  |  |  |  |  |  |  |  |  |
| 45    |          |        |  |  |  |  |  |  |  |  |  |
| 46    |          |        |  |  |  |  |  |  |  |  |  |
| 47    |          |        |  |  |  |  |  |  |  |  |  |
| 48    |          |        |  |  |  |  |  |  |  |  |  |
| 49    |          |        |  |  |  |  |  |  |  |  |  |
| 50    |          |        |  |  |  |  |  |  |  |  |  |

| Claim |          | Date   |  |  |  |  |  |  |  |  |  |
|-------|----------|--------|--|--|--|--|--|--|--|--|--|
| Final | Original | 8/3/06 |  |  |  |  |  |  |  |  |  |
| 51    |          |        |  |  |  |  |  |  |  |  |  |
| 52    |          |        |  |  |  |  |  |  |  |  |  |
| 53    |          |        |  |  |  |  |  |  |  |  |  |
| 54    |          |        |  |  |  |  |  |  |  |  |  |
| 55    |          |        |  |  |  |  |  |  |  |  |  |
| 56    |          |        |  |  |  |  |  |  |  |  |  |
| 57    |          |        |  |  |  |  |  |  |  |  |  |
| 58    |          | ✓      |  |  |  |  |  |  |  |  |  |
| 59    |          |        |  |  |  |  |  |  |  |  |  |
| 60    |          |        |  |  |  |  |  |  |  |  |  |
| 61    |          |        |  |  |  |  |  |  |  |  |  |
| 62    |          |        |  |  |  |  |  |  |  |  |  |
| 63    |          |        |  |  |  |  |  |  |  |  |  |
| 64    |          |        |  |  |  |  |  |  |  |  |  |
| 65    |          |        |  |  |  |  |  |  |  |  |  |
| 66    |          |        |  |  |  |  |  |  |  |  |  |
| 67    |          |        |  |  |  |  |  |  |  |  |  |
| 68    |          |        |  |  |  |  |  |  |  |  |  |
| 69    |          |        |  |  |  |  |  |  |  |  |  |
| 70    |          |        |  |  |  |  |  |  |  |  |  |
| 71    |          |        |  |  |  |  |  |  |  |  |  |
| 72    |          |        |  |  |  |  |  |  |  |  |  |
| 73    |          |        |  |  |  |  |  |  |  |  |  |
| 74    |          |        |  |  |  |  |  |  |  |  |  |
| 75    |          |        |  |  |  |  |  |  |  |  |  |
| 76    |          |        |  |  |  |  |  |  |  |  |  |
| 77    |          |        |  |  |  |  |  |  |  |  |  |
| 78    |          |        |  |  |  |  |  |  |  |  |  |
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| 80    |          |        |  |  |  |  |  |  |  |  |  |
| 81    |          |        |  |  |  |  |  |  |  |  |  |
| 82    |          |        |  |  |  |  |  |  |  |  |  |
| 83    |          |        |  |  |  |  |  |  |  |  |  |
| 84    |          |        |  |  |  |  |  |  |  |  |  |
| 85    |          |        |  |  |  |  |  |  |  |  |  |
| 86    |          |        |  |  |  |  |  |  |  |  |  |
| 87    |          |        |  |  |  |  |  |  |  |  |  |
| 88    |          |        |  |  |  |  |  |  |  |  |  |
| 89    |          |        |  |  |  |  |  |  |  |  |  |
| 90    |          |        |  |  |  |  |  |  |  |  |  |
| 91    |          |        |  |  |  |  |  |  |  |  |  |
| 92    |          |        |  |  |  |  |  |  |  |  |  |
| 93    |          |        |  |  |  |  |  |  |  |  |  |
| 94    |          |        |  |  |  |  |  |  |  |  |  |
| 95    |          |        |  |  |  |  |  |  |  |  |  |
| 96    |          |        |  |  |  |  |  |  |  |  |  |
| 97    |          |        |  |  |  |  |  |  |  |  |  |
| 98    |          |        |  |  |  |  |  |  |  |  |  |
| 99    |          |        |  |  |  |  |  |  |  |  |  |
| 100   |          |        |  |  |  |  |  |  |  |  |  |

| Claim |          | Date   |  |  |  |  |  |  |  |  |  |
|-------|----------|--------|--|--|--|--|--|--|--|--|--|
| Final | Original | 8/3/06 |  |  |  |  |  |  |  |  |  |
| 101   |          |        |  |  |  |  |  |  |  |  |  |
| 102   |          |        |  |  |  |  |  |  |  |  |  |
| 103   |          |        |  |  |  |  |  |  |  |  |  |
| 104   |          |        |  |  |  |  |  |  |  |  |  |
| 105   |          |        |  |  |  |  |  |  |  |  |  |
| 106   |          |        |  |  |  |  |  |  |  |  |  |
| 107   |          |        |  |  |  |  |  |  |  |  |  |
| 108   |          |        |  |  |  |  |  |  |  |  |  |
| 109   |          |        |  |  |  |  |  |  |  |  |  |
| 110   |          |        |  |  |  |  |  |  |  |  |  |
| 111   |          |        |  |  |  |  |  |  |  |  |  |
| 112   |          |        |  |  |  |  |  |  |  |  |  |
| 113   |          |        |  |  |  |  |  |  |  |  |  |
| 114   |          |        |  |  |  |  |  |  |  |  |  |
| 115   |          |        |  |  |  |  |  |  |  |  |  |
| 116   |          | ✓      |  |  |  |  |  |  |  |  |  |
| 117   |          | ✓      |  |  |  |  |  |  |  |  |  |
| 118   |          | ✓      |  |  |  |  |  |  |  |  |  |
| 119   |          | ✓      |  |  |  |  |  |  |  |  |  |
| 120   |          | ✓      |  |  |  |  |  |  |  |  |  |
| 121   |          | ✓      |  |  |  |  |  |  |  |  |  |
| 122   |          |        |  |  |  |  |  |  |  |  |  |
| 123   |          |        |  |  |  |  |  |  |  |  |  |
| 124   |          |        |  |  |  |  |  |  |  |  |  |
| 125   |          |        |  |  |  |  |  |  |  |  |  |
| 126   |          |        |  |  |  |  |  |  |  |  |  |
| 127   |          |        |  |  |  |  |  |  |  |  |  |
| 128   |          |        |  |  |  |  |  |  |  |  |  |
| 129   |          |        |  |  |  |  |  |  |  |  |  |
| 130   |          |        |  |  |  |  |  |  |  |  |  |
| 131   |          |        |  |  |  |  |  |  |  |  |  |
| 132   |          |        |  |  |  |  |  |  |  |  |  |
| 133   |          |        |  |  |  |  |  |  |  |  |  |
| 134   |          |        |  |  |  |  |  |  |  |  |  |
| 135   |          |        |  |  |  |  |  |  |  |  |  |
| 136   |          |        |  |  |  |  |  |  |  |  |  |
| 137   |          |        |  |  |  |  |  |  |  |  |  |
| 138   |          |        |  |  |  |  |  |  |  |  |  |
| 139   |          |        |  |  |  |  |  |  |  |  |  |
| 140   |          |        |  |  |  |  |  |  |  |  |  |
| 141   |          |        |  |  |  |  |  |  |  |  |  |
| 142   |          |        |  |  |  |  |  |  |  |  |  |
| 143   |          |        |  |  |  |  |  |  |  |  |  |
| 144   |          |        |  |  |  |  |  |  |  |  |  |
| 145   |          |        |  |  |  |  |  |  |  |  |  |
| 146   |          |        |  |  |  |  |  |  |  |  |  |
| 147   |          |        |  |  |  |  |  |  |  |  |  |
| 148   |          |        |  |  |  |  |  |  |  |  |  |
| 149   |          |        |  |  |  |  |  |  |  |  |  |
| 150   |          |        |  |  |  |  |  |  |  |  |  |

# Index of Claims (continued)



Application/Control No.

09/982,548

Examiner

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Art Unit

1623

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| ✓ | Rejected |
| = | Allowed  |

|   |                                |
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| — | (Through numeral)<br>Cancelled |
| ÷ | Restricted                     |

|   |              |
|---|--------------|
| N | Non-Elected  |
| I | Interference |

|   |          |
|---|----------|
| A | Appeal   |
| O | Objected |

| Claim |          | Date   |  |  |  |  |  |  |  |  |  |
|-------|----------|--------|--|--|--|--|--|--|--|--|--|
| Final | Original | 8/3/06 |  |  |  |  |  |  |  |  |  |
|       | 161      |        |  |  |  |  |  |  |  |  |  |
|       | 162      |        |  |  |  |  |  |  |  |  |  |
|       | 163      |        |  |  |  |  |  |  |  |  |  |
|       | 164      |        |  |  |  |  |  |  |  |  |  |
|       | 165      |        |  |  |  |  |  |  |  |  |  |
|       | 166      |        |  |  |  |  |  |  |  |  |  |
|       | 167      |        |  |  |  |  |  |  |  |  |  |
|       | 168      |        |  |  |  |  |  |  |  |  |  |
|       | 169      |        |  |  |  |  |  |  |  |  |  |
|       | 170      |        |  |  |  |  |  |  |  |  |  |
|       | 171      |        |  |  |  |  |  |  |  |  |  |
|       | 172      |        |  |  |  |  |  |  |  |  |  |
|       | 173      |        |  |  |  |  |  |  |  |  |  |
|       | 174      |        |  |  |  |  |  |  |  |  |  |
|       | 175      |        |  |  |  |  |  |  |  |  |  |
|       | 176      |        |  |  |  |  |  |  |  |  |  |
|       | 177      |        |  |  |  |  |  |  |  |  |  |
|       | 178      |        |  |  |  |  |  |  |  |  |  |
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|       | 180      |        |  |  |  |  |  |  |  |  |  |
|       | 181      |        |  |  |  |  |  |  |  |  |  |
|       | 182      |        |  |  |  |  |  |  |  |  |  |
|       | 183      |        |  |  |  |  |  |  |  |  |  |
|       | 184      |        |  |  |  |  |  |  |  |  |  |
|       | 185      |        |  |  |  |  |  |  |  |  |  |
|       | 186      |        |  |  |  |  |  |  |  |  |  |
|       | 187      |        |  |  |  |  |  |  |  |  |  |
|       | 188      |        |  |  |  |  |  |  |  |  |  |
|       | 189      |        |  |  |  |  |  |  |  |  |  |
|       | 190      |        |  |  |  |  |  |  |  |  |  |
|       | 191      |        |  |  |  |  |  |  |  |  |  |
|       | 192      |        |  |  |  |  |  |  |  |  |  |
|       | 193      |        |  |  |  |  |  |  |  |  |  |
|       | 194      |        |  |  |  |  |  |  |  |  |  |
|       | 195      |        |  |  |  |  |  |  |  |  |  |
|       | 196      |        |  |  |  |  |  |  |  |  |  |
|       | 197      |        |  |  |  |  |  |  |  |  |  |
|       | 198      |        |  |  |  |  |  |  |  |  |  |
|       | 199      |        |  |  |  |  |  |  |  |  |  |
|       | 200      |        |  |  |  |  |  |  |  |  |  |

| Claim |                | Date   |  |  |  |  |  |  |  |  |  |
|-------|----------------|--------|--|--|--|--|--|--|--|--|--|
| Final | Original       | 8/3/06 |  |  |  |  |  |  |  |  |  |
|       | <del>201</del> |        |  |  |  |  |  |  |  |  |  |
|       | <del>202</del> |        |  |  |  |  |  |  |  |  |  |
|       | <del>203</del> |        |  |  |  |  |  |  |  |  |  |
|       | 204            | ✓      |  |  |  |  |  |  |  |  |  |
|       | <del>205</del> |        |  |  |  |  |  |  |  |  |  |
|       | 206            | ✓      |  |  |  |  |  |  |  |  |  |
|       | 207            | ✓      |  |  |  |  |  |  |  |  |  |
|       | 208            | ✓      |  |  |  |  |  |  |  |  |  |
|       | 209            | ✓      |  |  |  |  |  |  |  |  |  |
|       | <del>210</del> |        |  |  |  |  |  |  |  |  |  |
|       | 211            | ✓      |  |  |  |  |  |  |  |  |  |
|       | 212            | ✓      |  |  |  |  |  |  |  |  |  |
|       | 213            | ✓      |  |  |  |  |  |  |  |  |  |
|       | <del>214</del> |        |  |  |  |  |  |  |  |  |  |
|       | <del>215</del> |        |  |  |  |  |  |  |  |  |  |
|       | <del>216</del> |        |  |  |  |  |  |  |  |  |  |
|       | <del>217</del> |        |  |  |  |  |  |  |  |  |  |
|       | <del>218</del> |        |  |  |  |  |  |  |  |  |  |
|       | <del>219</del> |        |  |  |  |  |  |  |  |  |  |
|       | <del>220</del> |        |  |  |  |  |  |  |  |  |  |
|       | 221            |        |  |  |  |  |  |  |  |  |  |
|       | <del>222</del> |        |  |  |  |  |  |  |  |  |  |
|       | 223            | ✓      |  |  |  |  |  |  |  |  |  |
|       | 224            | ✓      |  |  |  |  |  |  |  |  |  |
|       | 225            | ✓      |  |  |  |  |  |  |  |  |  |
|       | 226            | ✓      |  |  |  |  |  |  |  |  |  |
|       | 227            | ✓      |  |  |  |  |  |  |  |  |  |
|       | 228            | ✓      |  |  |  |  |  |  |  |  |  |
|       | 229            | ✓      |  |  |  |  |  |  |  |  |  |
|       | 230            | ✓      |  |  |  |  |  |  |  |  |  |
|       | 231            | ✓      |  |  |  |  |  |  |  |  |  |
|       | 232            | ✓      |  |  |  |  |  |  |  |  |  |
|       | 233            | N      |  |  |  |  |  |  |  |  |  |
|       | 234            | N      |  |  |  |  |  |  |  |  |  |
|       | 235            |        |  |  |  |  |  |  |  |  |  |
|       | 236            |        |  |  |  |  |  |  |  |  |  |
|       | 237            |        |  |  |  |  |  |  |  |  |  |
|       | 238            |        |  |  |  |  |  |  |  |  |  |
|       | 239            |        |  |  |  |  |  |  |  |  |  |
|       | 240            |        |  |  |  |  |  |  |  |  |  |
|       | 241            |        |  |  |  |  |  |  |  |  |  |
|       | 242            |        |  |  |  |  |  |  |  |  |  |
|       | 243            |        |  |  |  |  |  |  |  |  |  |
|       | 244            |        |  |  |  |  |  |  |  |  |  |
|       | 245            |        |  |  |  |  |  |  |  |  |  |
|       | 246            |        |  |  |  |  |  |  |  |  |  |
|       | 247            |        |  |  |  |  |  |  |  |  |  |
|       | 248            |        |  |  |  |  |  |  |  |  |  |
|       | 249            |        |  |  |  |  |  |  |  |  |  |
|       | 250            |        |  |  |  |  |  |  |  |  |  |

| Claim |          | Date   |  |  |  |  |  |  |  |  |  |
|-------|----------|--------|--|--|--|--|--|--|--|--|--|
| Final | Original | 8/3/06 |  |  |  |  |  |  |  |  |  |
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|       | 252      |        |  |  |  |  |  |  |  |  |  |
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|       | 256      |        |  |  |  |  |  |  |  |  |  |
|       | 257      |        |  |  |  |  |  |  |  |  |  |
|       | 258      |        |  |  |  |  |  |  |  |  |  |
|       | 259      |        |  |  |  |  |  |  |  |  |  |
|       | 260      |        |  |  |  |  |  |  |  |  |  |
|       | 261      |        |  |  |  |  |  |  |  |  |  |
|       | 262      |        |  |  |  |  |  |  |  |  |  |
|       | 263      |        |  |  |  |  |  |  |  |  |  |
|       | 264      |        |  |  |  |  |  |  |  |  |  |
|       | 265      |        |  |  |  |  |  |  |  |  |  |
|       | 266      |        |  |  |  |  |  |  |  |  |  |
|       | 267      |        |  |  |  |  |  |  |  |  |  |
|       | 268      |        |  |  |  |  |  |  |  |  |  |
|       | 269      |        |  |  |  |  |  |  |  |  |  |
|       | 270      |        |  |  |  |  |  |  |  |  |  |
|       | 271      |        |  |  |  |  |  |  |  |  |  |
|       | 272      |        |  |  |  |  |  |  |  |  |  |
|       | 273      |        |  |  |  |  |  |  |  |  |  |
|       | 274      |        |  |  |  |  |  |  |  |  |  |
|       | 275      |        |  |  |  |  |  |  |  |  |  |
|       | 276      |        |  |  |  |  |  |  |  |  |  |
|       | 277      |        |  |  |  |  |  |  |  |  |  |
|       | 278      |        |  |  |  |  |  |  |  |  |  |
|       | 279      |        |  |  |  |  |  |  |  |  |  |
|       | 280      |        |  |  |  |  |  |  |  |  |  |
|       | 281      |        |  |  |  |  |  |  |  |  |  |
|       | 282      |        |  |  |  |  |  |  |  |  |  |
|       | 283      |        |  |  |  |  |  |  |  |  |  |
|       | 284      |        |  |  |  |  |  |  |  |  |  |
|       | 285      |        |  |  |  |  |  |  |  |  |  |
|       | 286      |        |  |  |  |  |  |  |  |  |  |
|       | 287      |        |  |  |  |  |  |  |  |  |  |
|       | 288      |        |  |  |  |  |  |  |  |  |  |
|       | 289      |        |  |  |  |  |  |  |  |  |  |
|       | 290      |        |  |  |  |  |  |  |  |  |  |
|       | 291      |        |  |  |  |  |  |  |  |  |  |
|       | 292      |        |  |  |  |  |  |  |  |  |  |
|       | 293      |        |  |  |  |  |  |  |  |  |  |
|       | 294      |        |  |  |  |  |  |  |  |  |  |
|       | 295      |        |  |  |  |  |  |  |  |  |  |
|       | 296      |        |  |  |  |  |  |  |  |  |  |
|       | 297      |        |  |  |  |  |  |  |  |  |  |
|       | 298      |        |  |  |  |  |  |  |  |  |  |
|       | 299      |        |  |  |  |  |  |  |  |  |  |
|       | 300      |        |  |  |  |  |  |  |  |  |  |